mscoding24@gmail.com   **514-583-0702**

QA Test Automation Engineer

Maninder Singh

- Over 7 years of extensive experience in Software Analysis, Software Quality Assurance, Web Testing, Web Services Testing, Client/Server applications and Databases.
- Extensive experience in requirement and use case analysis, test planning, writing test scripts, execution, defect tracking, defect retesting and eventually to full regression.
- Experienced in unit testing, functional testing, user acceptance testing, integration testing, system testing, performance testing, sanity testing, compatibility testing & security testing of client/server and web-based applications.
- Specialized in designing Test Cases, Test Scenarios, Test Scripts and Test reports of manual and automated tests.
- Proficient in utilizing test automation tools such as Selenium WebDriver/RC/ID/Grid to develop automation testing scripts for web and client server applications.
- Advance knowledge on TestNG framework for Unit testing, Maven for Project building tool, Jenkins for Continuous Integration.
- Experience working on Selenium Automation using WebDriver.
- Heavy programming using Java in TestNG Framework for Unit Testing.
- Expert in providing the efficient locators strategy like XPath and CSS to run WebDriver script in stable condition.
- Excellent knowledge in writing unique XPath.
- Expertise in performing manual testing & Mobile Application Testing using a.
- Testing experience of applications developed using various mobile technologies like J2ME, Android, IOS, .Net Technology etc.
- Experience in GUI testing using Cypress, Cucumber, JavaScript, Chai, implementing the Page Object Model (POM), utilizing NPM, Cypress Dashboard, Cypress Testing Framework, and Cypress end-to-end testing.
- Extensive experience in Keyword Driven, Data Driven and Hybrid Automation Frameworks.
- Equipped in utilizing Cucumber framework with Gherkin.
- Demonstrated extensive skills in both Waterfall and Agile project environment.
- Working experience with defect tracking tools like Bugzilla, JIRA, Clear Quest, and Test Director/Quality Center (QC) and Team Foundation Server.
- Proficiency in writing SQL queries to perform backend data validations.
- Experience in Backend testing in MS-SQL Server, Oracle, MySQL and MS-Access using SQL Queries for data validation and verification.
- Excellent experience with source version control tools such as Subversion (SVN) & GIT.
- Worked in CI pipeline involving Jenkins, Maven.
- Strong interpersonal and communication skills; superior collaboration, teamwork and leadership skills demonstrated through problem solving and delivering under high stress environment.
- Able to manage competing priorities and adapt readily to new challenges; Innovative thinker with effective multi- tasking abilities.

RELEVANT SKILLS & CAPABILITIES

Selenium	Maven	Java
Appium	Jenkins	Python
Rest Assured	Log4j	JavaScript
Postman	Sauce Labs	C#
SOAP UI	Browserstack	HTML
Cypress	Git	CSS
TestNG	Excel Data Driven Testing Utilities	MySQL
Mocha	Page Object Model	Oracle
Specflow	Page Factory Mechanism	Eclipse
Nunit	Waterfall	VSCode

Pytest	Scrum based Agile
Cucumber	JIRA
WebDriverIO	

EXPERIENCE

Infobahn Softworld Pvt. Ltd.

Automation Engineer

Kinship

Oct 2023- Present

- Designed and implemented a robust Automation Framework utilizing Java, Selenium, Appium, and RestAssured to conduct comprehensive testing across five diverse applications: The Kin, Kin Mobile, The Wildest, Adopt A Pet, and Vet Insights.
- Developed a unified framework capable of supporting Mobile (Android, iOS) and Web Testing for all applications, including Web Testing in mobile browsers.
- Utilized advanced tools and technologies such as Appium2, UiAutomator2, XCUITest, and Lombok to enhance automation capabilities and ensure efficient testing processes.
- Set up execution of Android and iOS applications on BrowserStack using Appium, ensuring seamless testing across multiple platforms.
- Implemented CircleCI and GitHub Actions jobs to establish automated pipelines for continuous integration and delivery, enabling scheduled runs and on-demand executions for regression testing prior to releases and sanity suite validations for production environments.
- Integrated Key Performance Indicators (KPI's) by creating dashboard app to track and display automation results for multiple brands, ensuring clear visibility into testing outcomes.

PLATO Testing

Automation Consultant

Social Services Ministry of Saskatchewan

Sept 2022- Nov 2023

- Developed and executed automated test scripts using TestNG Framework, Selenium, and Rest Assured to ensure software quality and reduce manual testing efforts.
- Utilized the developer tools network tab to create Postman API collection and reduce testing time and effort.
- Worked with Postman collection to automate API testing and improve overall test coverage.
- Collaborated with cross-functional teams to understand requirements and create test plans, test cases, and test data.
- Conducted functional, regression, and integration testing to ensure that the software met business and technical requirements.
- Utilized Extent Reports to create detailed test reports and communicated findings to stakeholders.
- Worked with Microsoft Dynamic CRM to test and validate various features, functionalities, and workflows.
- Utilized Azure Devops to manage test cases, test runs, and defects throughout the SDLC.
- Maintained version control using Git and performed code reviews to ensure code quality.
- Created and implemented test strategies to improve overall test coverage and reduce testing time.
- Developed and executed comprehensive test plans and test cases using Cypress, Cucumber, JavaScript, and Chai for GUI testing of web applications.
- Implemented the Page Object Model (POM) design pattern for organizing and maintaining test scripts, resulting in improved test maintenance and scalability.

- Leveraged NPM for package management, enabling efficient management of dependencies and project configurations.
- Utilized Cypress Dashboard for recording and analyzing test results, enhancing visibility into test execution and facilitating defect analysis.
- Extensively utilized the Cypress Testing Framework to perform end-to-end testing, covering the entire application workflow.
- Built NPM scripts to integrate Cypress tests with Jenkins for continuous integration and delivery, ensuring automated test execution with each build.
- Created and maintained test automation scripts using Cypress, Cucumber, JavaScript, and Chai, covering various scenarios and edge cases.
- Employed techniques to mock and intercept HTTP requests in Cypress, enabling seamless testing of API interactions and eliminating external dependencies
- Collaborated with cross-functional teams to identify and prioritize test cases based on risk analysis and business requirements.
- Developed and executed automated test scripts using WebdriverIO, Cucumber, and Mocha Framework for a complex web application, improving test efficiency and coverage.
- Integrated Mocha Framework for parallel test execution, resulting in a significant reduction in test execution time.
- Utilized JavaScript to create custom test utilities and test data generators, streamlining test development and execution.
- Conducted cross-browser and cross-platform testing using WebdriverIO to validate the application's compatibility across different environments.
- Integrated WebdriverIO with Continuous Integration tool Jenkins to trigger automated test execution on every code commit.
- Developed test scripts to simulate real-world user interactions, verifying user journeys and identifying user experience issues.
- Utilized WebdriverIO's capabilities to handle browser windows and pop-ups, ensuring smooth test execution and navigation.

Deloitte/Sobeys
Feb 2022-Aug 2022
Responsibilities include:

- Responsible for maintenance of automated regression test cases in Selenium Web Driver and Appium Mobile Automation using Java programming language.
- Experience in mobile testing using Appium in both IOS and Android applications using simulator and emulator.
- Used Appium to facilitate mobile testing by creating a mobile Driver class with the required Mobile capabilities
- Performed tests on emulators and simulators.
- Identified mobile elements using Appium Inspector, UI Automator Viewer
- Proficient in using Appium, Espresso, ADB devices, and UIAutomator2 for automating Android applications.
- Integrated Appium with Sauce Labs & Browser stack for distributing tests on the cloud.
- Used in house desktop application automation tool.
- Used TestNG Framework for creating Selenium scripts.
- Generated reports using Extent Reports after testing applications to analyze the pass percentage and failed cases.
- Configured Java, WebDriver, Maven tool and created selenium automation scripts in Java using TestNG framework and page object model (POM)
- Used Cucumber for browser-based testing with scenarios and situations

- Created Feature File, Scenario Outline with Cucumber framework; generated step definitions and methods for different functionalities.

Test Automation Developer
SunLife Financial
Jan 2019–Jan 2022

Responsibilities include:
- Developed and maintained automated regression test cases in Selenium Web Driver and Appium Mobile Automation using Java programming language.
- Developed test scripts to automate process of testing in Selenium Web Driver.
- Used TestNG Framework for creating Selenium scripts.
- Developed automated scripts using Selenium for end-to-end and unit testing.
- Applied XPATH filters and assertions to fetch and validate desired data in the response.
- Integrated automation scripts into Jenkins tool for continuous script execution after build.
- Exhibited ability to learn quickly and understand different components of application as per business requirements.
- Primarily responsible for overall Functionality Testing, White Box testing, Black box Testing, System testing, and primary point of contact for User Acceptance and Backend Testing.
- Identified mobile elements using Appium Inspector, UI Automator Viewer
- Designed and developed test strategy, test plan and test cases; generated test and defect reports for quality assurance.
- Knowledge and experience with full SDLC lifecycle.
- Worked in collaboration with developers to understand WSDL's & XSD's requirements and optional elements within a schema; developed test scope and test data according to the requirements.
- Actively involved in testing Web services and XML with SOAP UI tool; streamlined process to locate WSDL file on internet, create test cases, perform load and security testing using SOAP UI.
- Worked closely with fulfillment development team in the application lifecycle to clarify and refine business and functional requirements for e-commerce department.
- Conducted test case reviews and presented the test cases & test scenarios to the team members for all iterations.
- Utilized SQL Queries for backend testing.
- Writing custom test management reports using SQL and used RDBMS to recombine the data items from different files.
- Prepared Traceability Matrix to show the test coverage requirement.
- Performed API Testing using Postman.
- Developed Automation test scripts for API testing using Rest Assured.
- Prepared Test cases using Gherkin Language.
- Performed BDD testing using Cucumber Features in Gherkin format.
- Coordinated with different departments and take a leadership role in reviewing, discussing and implementing multiple projects; communicated test progress, results and other relevant information to partners in charge and project stakeholders.
- Used Git as version controller.
- Understanding test cases written by UAT resources to identify the scenarios to automate.
- Participated in user story grooming, understanding requirements.

QA Automation Engineer
Telus Health
Oct 2016–Dec 2018

Responsibilities included:

- Designed, developed, and implemented POM based automation-testing framework.
- Worked on Hybrid Automation Framework using Web Driver, Eclipse, TestNG and Java in Windows platform to optimize regression testing time.
- Configured Java, WebDriver, Maven tool and created selenium automation scripts in Java using TestNG framework and page object model (POM).
- Used Cucumber for browser-based testing with scenarios and situations.
- Created Feature File, Scenario Outline with Cucumber framework; generated step definitions and methods for different functionalities.
- Involved in Data Driven and Hybrid approaches using Selenium to convert manual test cases into automation.
- Involved in implementation of Test Automation Framework build using Selenium WebDriver.
- Setup the Automation Framework using Selenium Web Driver, TestNG and Run test cases in multiple browsers and Platforms.
- Worked extensively with open-source tools such as Selenium (Selenium Web Driver, and Selenium Grid), TFS, Jenkins, Maven, SoapUI, JUnit, JIRA and Eclipse.
- Logged defects with detailed description, screenshots and log trace in MTFS/ VSTS.
- Developed QA processes automation test scripts using Java/Selenium to test Web based user interfaces for different types of browsers.
- Validated data from Front End to Back End tables in Oracle Database.
- Used Git to maintain and manage the build scripts, test data used and other documents related to the project.
- Generated reports using Extent Reports after testing applications to analyze the pass percentage and failed cases.
- Utilized the POI API to read data from the excel sheets.
- Used Agile methodology (Scrum) to ensure that newly created features meet customer requirements and acceptable quality assurance standards.
- Used JIRA to track bugs and maintain the flow of iterations; re-tested fixed bugs and closed or re-opened defects in JIRA.
- Generated, parsed and validated JSON and XML formatted data.
- Configured and maintained Jenkins to implement the CI process and integrated it with Maven to schedule the builds.
- Performed regression tests to validate the changes for different functionalities, found defects and reported them to development using Quality center.

EDUCATIONAL ACHIEVEMENTS

Education

Bachelor of Technology | Computer Science Engineering